

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,140,112 B2
APPLICATION NO. : 10/645574
DATED : November 28, 2006
INVENTOR(S) : McNulty

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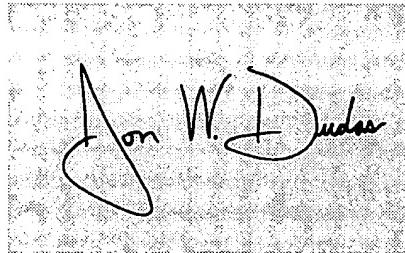
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete Title page illustrating figure, and substitute therefor, new Title page illustrating figure. (attached)

Delete drawing figures 1-7, and substitute drawing figures 1-7, as shown on the attached sheets.

Signed and Sealed this

Thirteenth Day of February, 2007



JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) United States Patent
McNulty(10) Patent No.: US 7,140,112 B2
(45) Date of Patent: Nov. 28, 2006

(54) HEAD COVER TRIMMING SYSTEM

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(73) Assignee: JEG, Inc., Midland, VA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 257 days.

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(65) Prior Publication Data

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30/DIG. 7; 172/13; 172/15

(58) Field of Classification Search 30/276,
30/300, 301, 316, 347, DIG. 7, 286, 287,
30/294; 172/13, 15, 25, 19, 111

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

1,064,790 A	• 6/1913	Tucker	30/316
1,857,383 A	• 5/1932	Johnson	30/316
2,882,600 A	• 4/1959	Baker	30/316
3,062,299 A	• 11/1962	Koepfinger	172/18
3,145,176 A	• 8/1964	Dunn, Jr.	172/13
3,174,224 A	• 2/1965	Rousselet	30/264
3,354,293 A	• 1/1971	Aman et al.	172/13
3,535,680 A	• 1/1971	Ford	30/276
3,565,179 A	• 2/1971	Pallani	172/19
3,747,213 A	• 7/1973	Green et al.	30/279.2
3,814,189 A	• 6/1974	Thompson	172/13
3,905,103 A	• 9/1975	Ford et al.	30/276
3,960,218 A	• 6/1976	Atchley et al.	

D242,894 S	1/1977	Harris	
4,260,026 A	4/1981	Dreher	
4,357,752 A	11/1982	Goodwin, Jr.	
4,547,956 A	10/1985	Egan	
4,832,131 A	• 5/1992	Powell et al.	172/23
5,461,788 A	• 10/1993	Taylor	30/300
5,938,290 A	8/1999	Mikenza	
6,038,774 A	3/2000	Buelo et al.	
6,125,776 A	• 10/2000	Chemichal	111/113
6,134,789 A	• 10/2000	Sprichard	30/276
6,247,539 B1	• 6/2001	Jerez	172/41
6,311,782 B1	11/2001	Pinck et al.	
6,412,333 B1	7/2002	Theba	

OTHER PUBLICATIONS

Reliable Golf Course Supplies, 2002 Catalog, TAS Trimmers, pp. 13.

(Continued)

Primary Examiner—Boyer D. Ashley

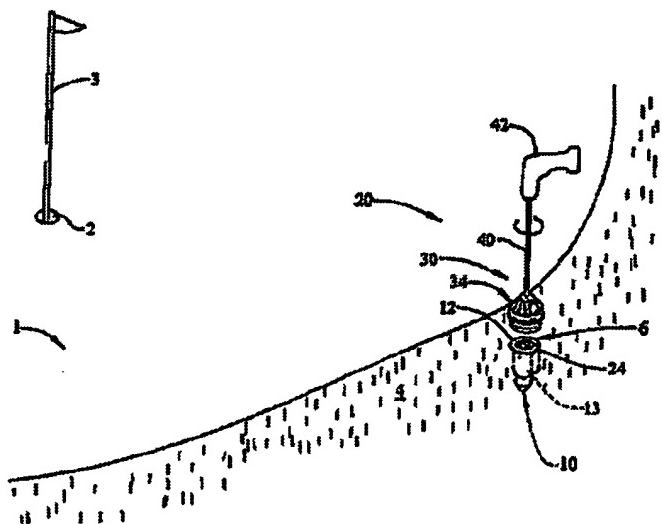
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(37) ABSTRACT

A head cover trimming system for trimming around a ground level head cover includes a head cap and a grass trimmer assembly. The head cap is provided on the head cover and includes a centering member. The grass trimmer assembly includes a head member having a peripheral edge portion along which is mounted a cutting element. The grass trimmer assembly is driven through a drive shaft connected to a rotary tool at one end. Arranged within the head member is a retractable centering shaft. When the head member is placed over the head cover, the centering shaft is received by the centering member to center the grass trimmer about the head cover. The centering shaft retracts into the head member to allow the rotating cutting element to trim the area around the head cover.

14 Claims, 7 Drawing Sheets

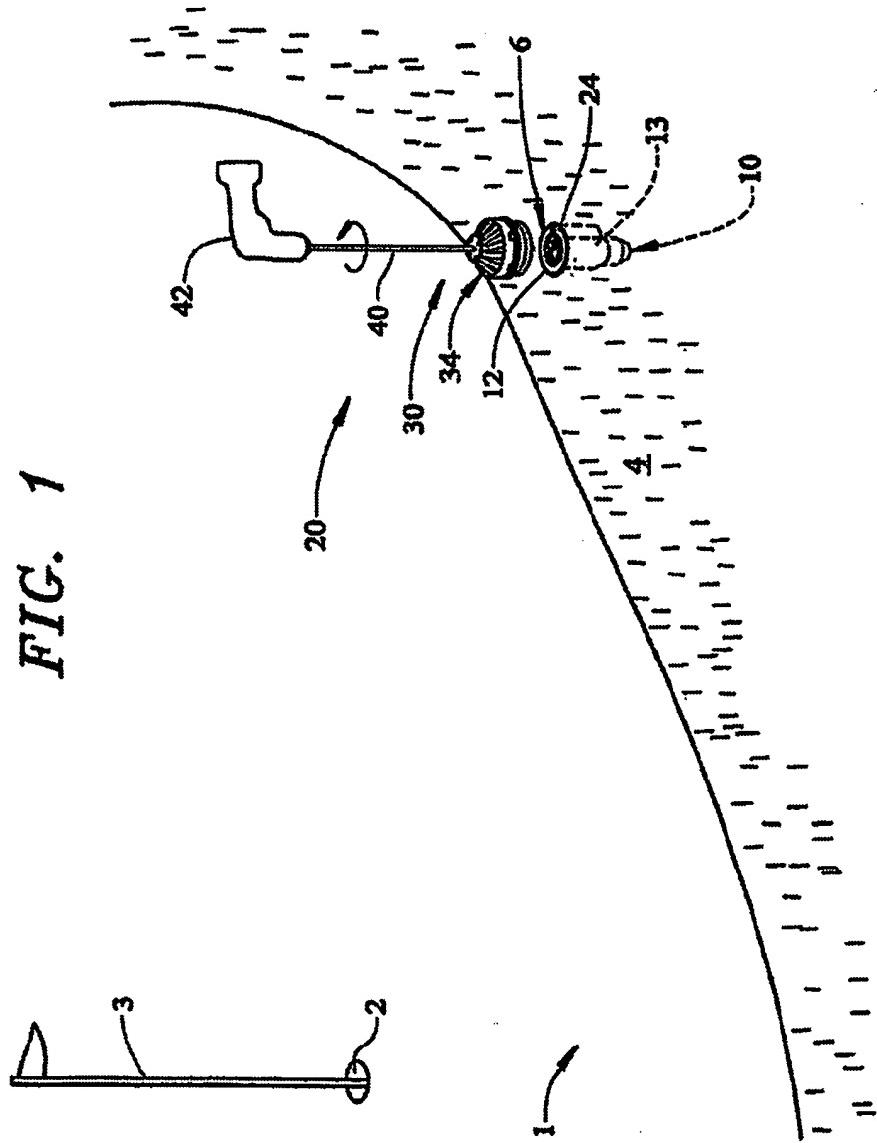


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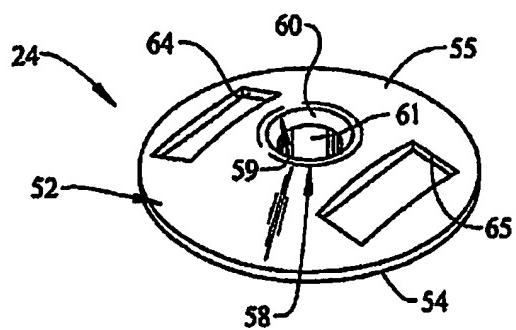
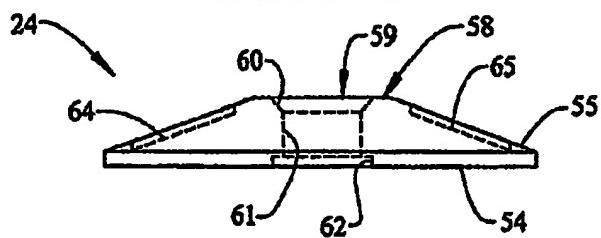


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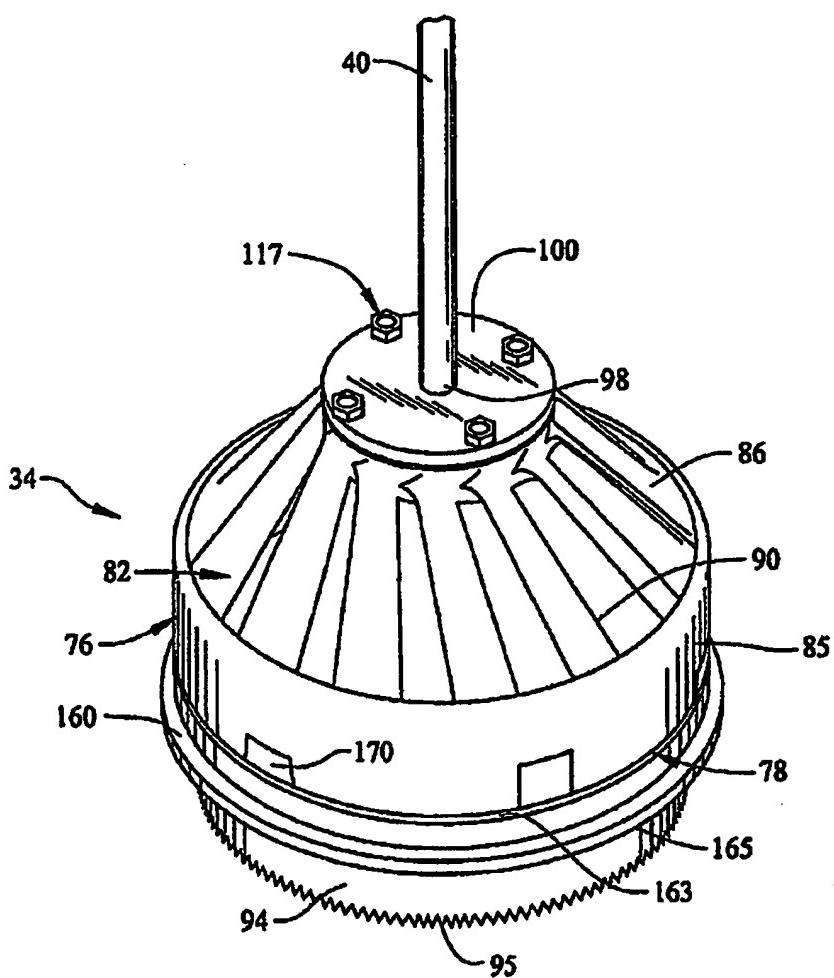
FIG. 2*FIG. 3*

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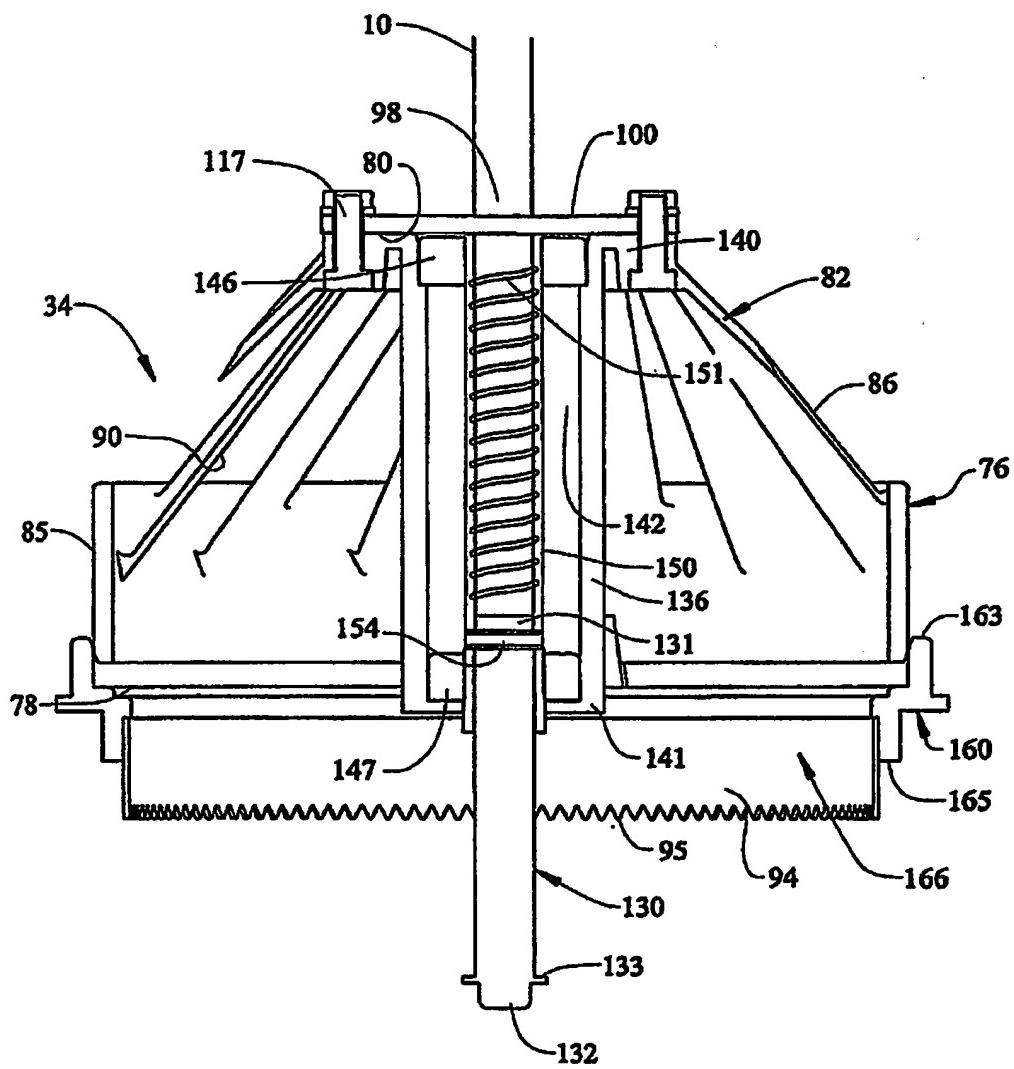
FIG. 4

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FIG. 5

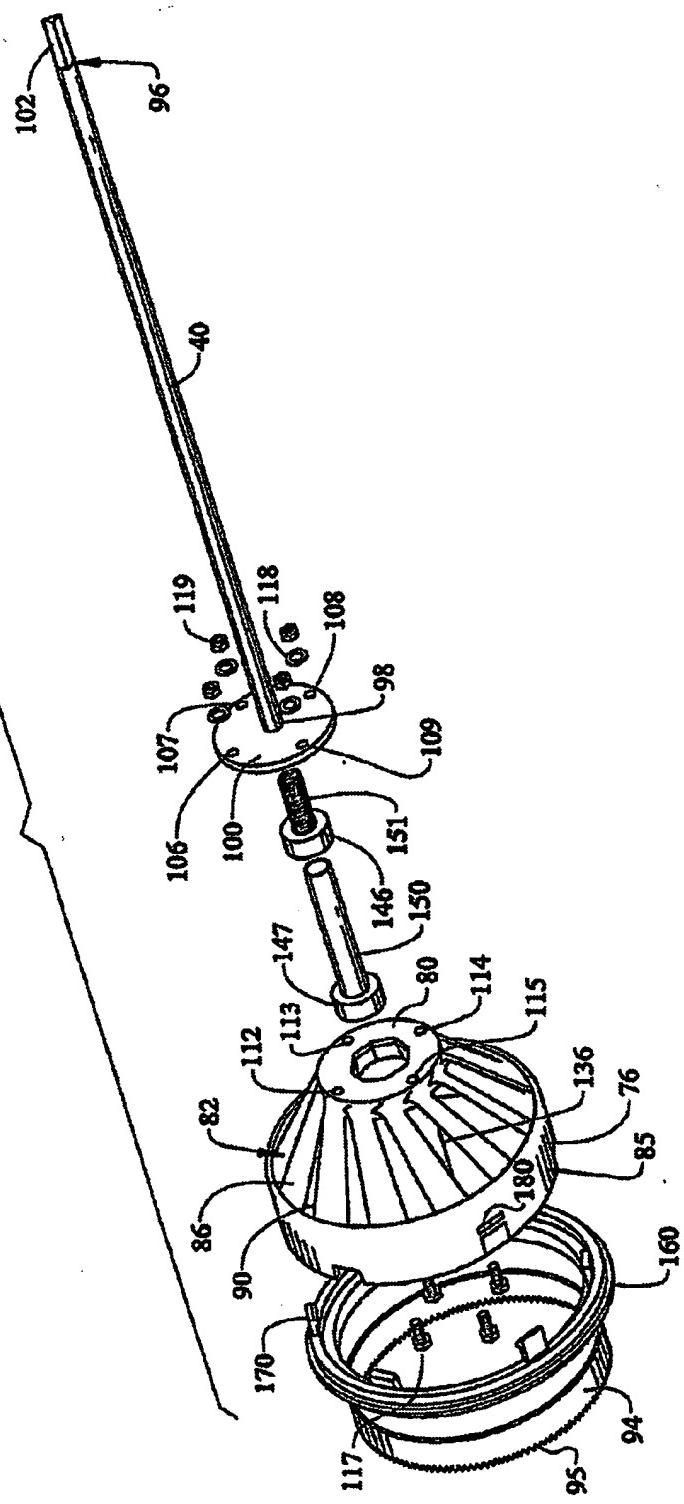
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FIG. 6

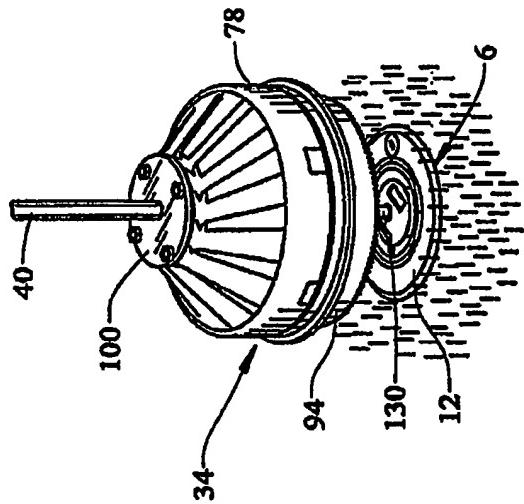
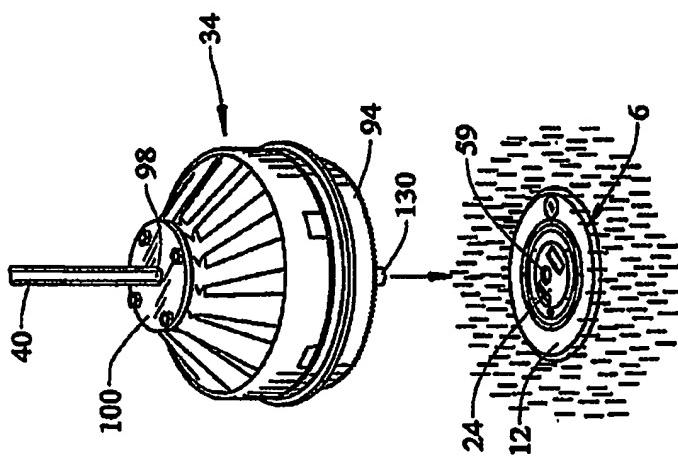


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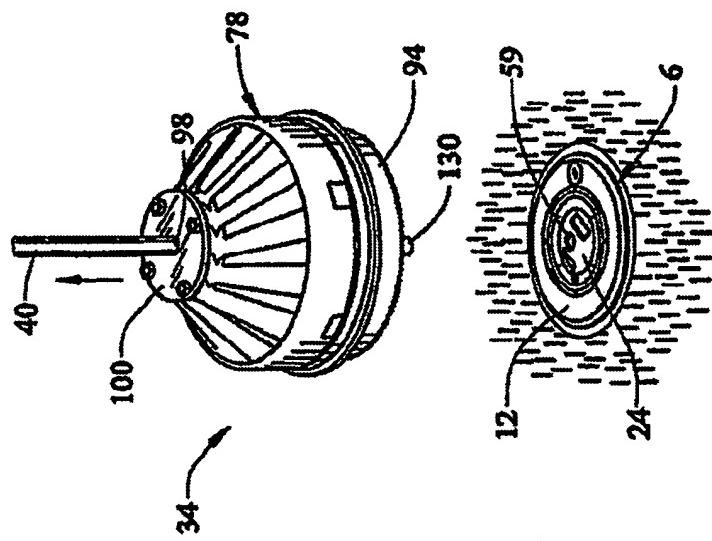
FIG. 8*FIG. 7*

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FIG. 10*FIG. 9*